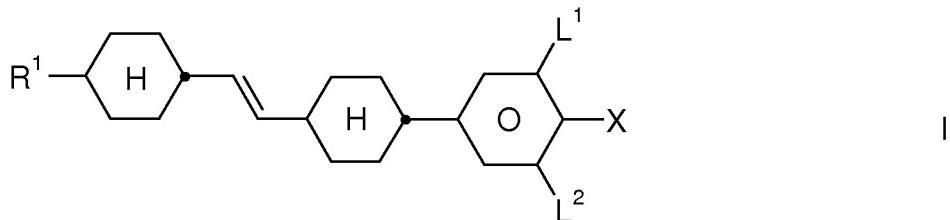


This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Currently Amended) Liquid-crystalline medium based on a mixture of polar compounds, comprising characterised in that it comprises one or more compounds of the formula I



in which

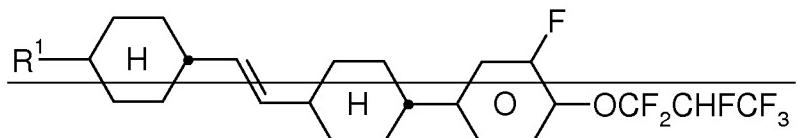
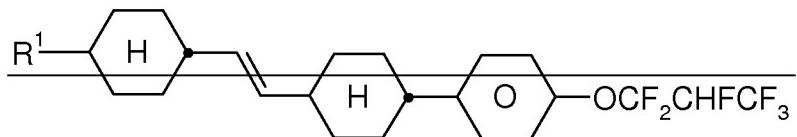
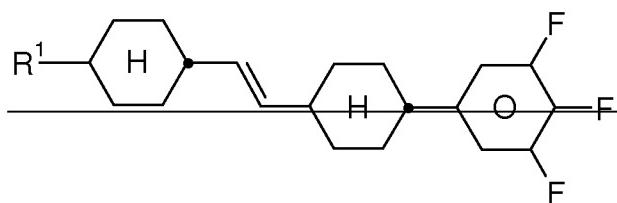
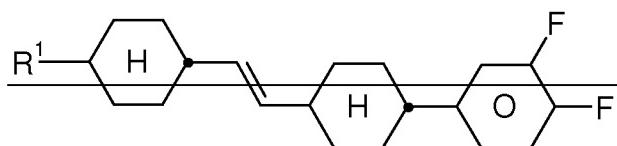
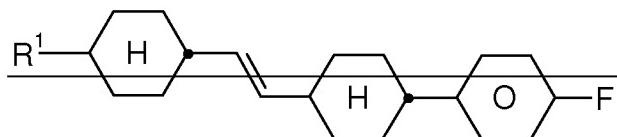
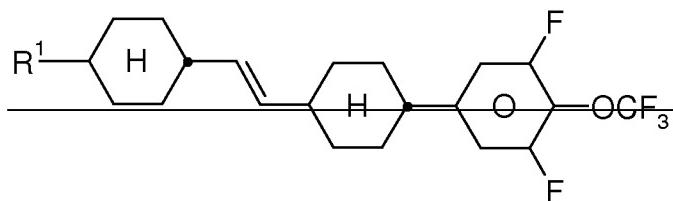
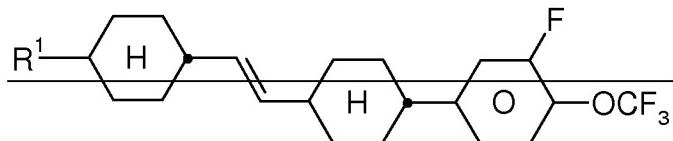
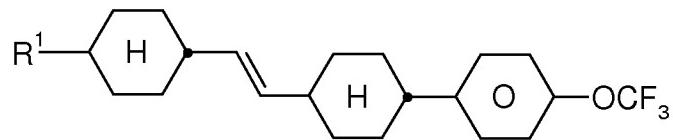
R¹ is a halogenated or unsubstituted alkyl or alkoxy radical having from 1 to 15 carbon atoms, where, in addition, one or more CH₂ groups in these radicals may each, independently of one another, be replaced by -C≡C-, -CH=CH-, -O-, -CO-O- or -O-CO- in such a way that O atoms are not linked directly to one another,

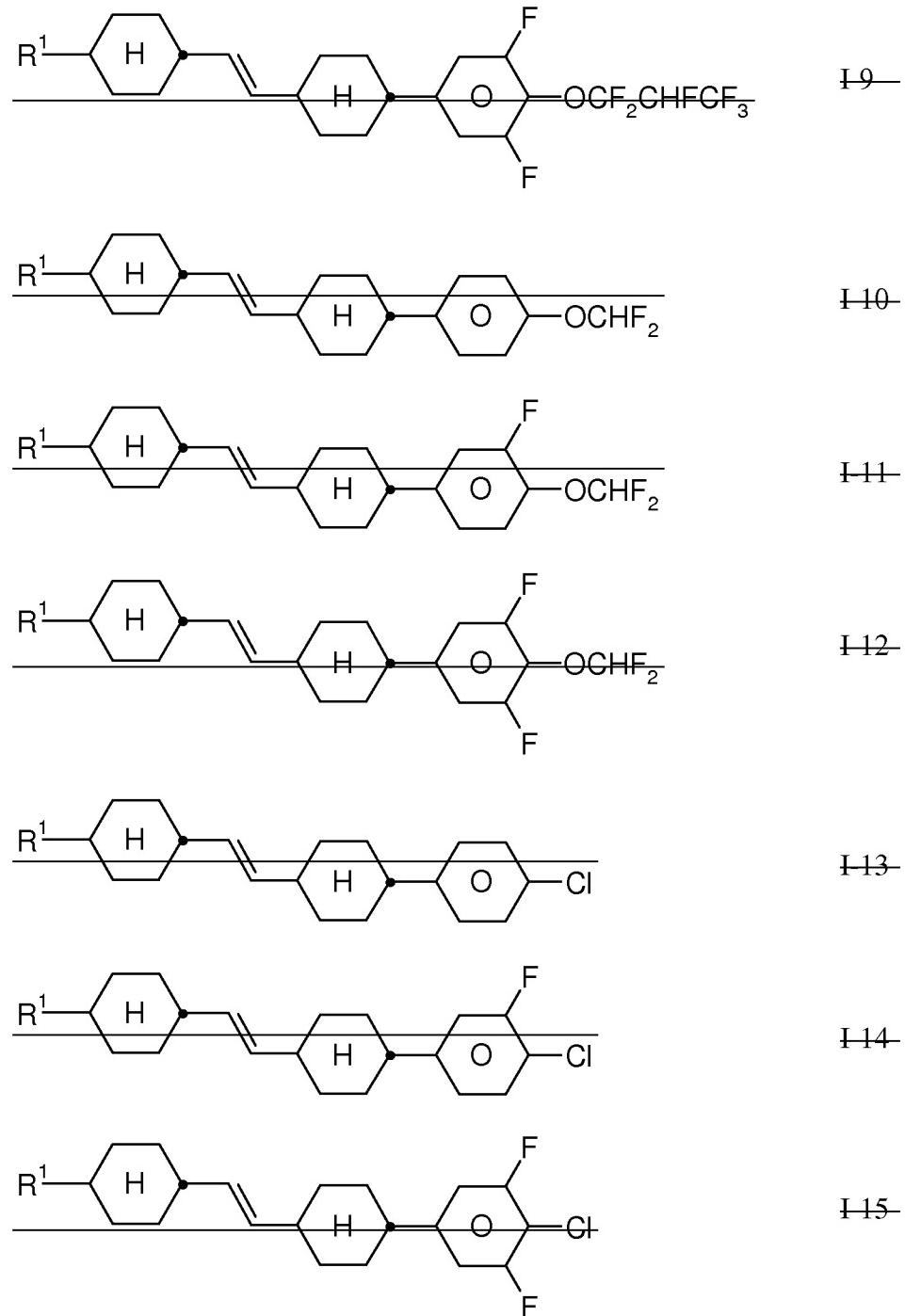
X is -OCF₃, F, Cl, CN, a halogenated alkyl radical, a halogenated alkenyl radical, a halogenated alkoxy radical or a halogenated alkenyloxy radical having up to 6 carbon atoms, and

L¹ and L² are each, independently of one another, H or F.

Claim 2. (Currently Amended) Liquid-crystalline medium according to Claim 1, wherein characterised in that R¹ = alkenyl in the compound of the formula I.

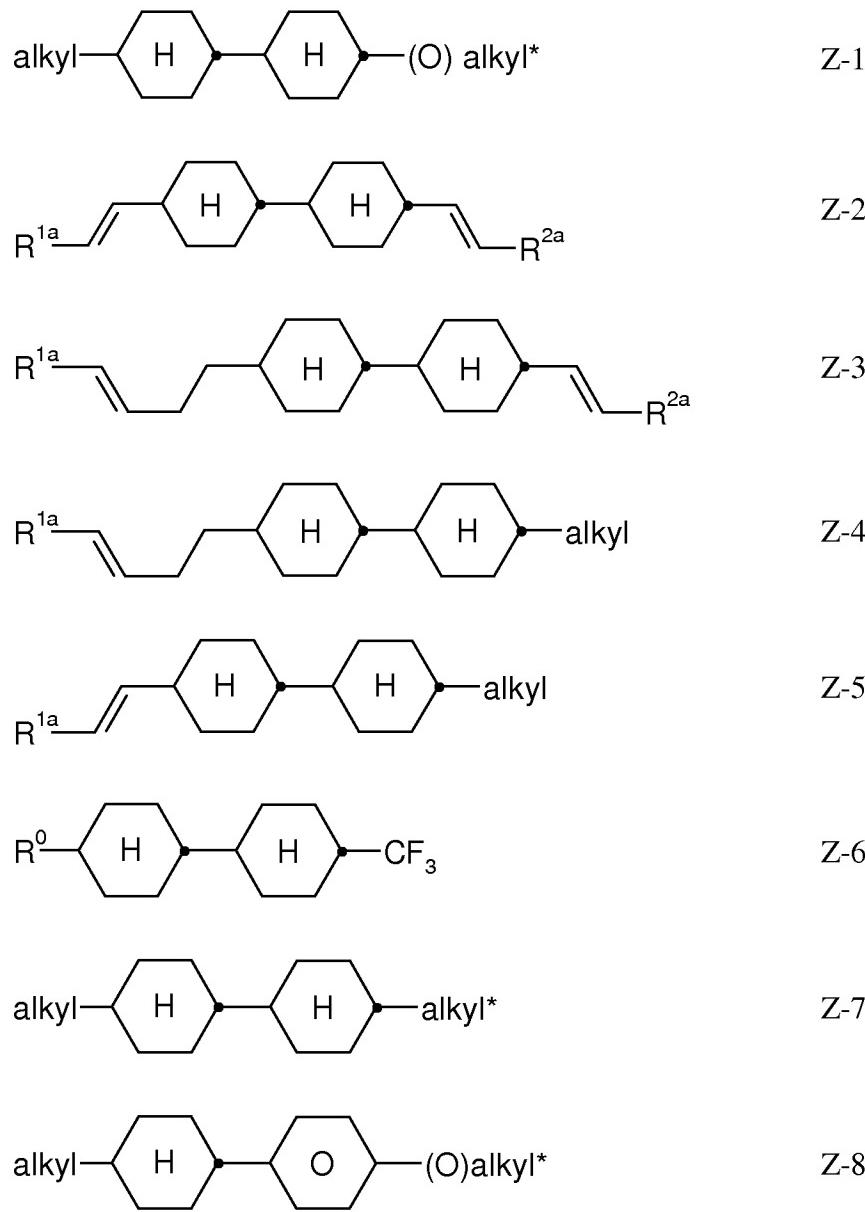
Claim 3. (Currently Amended) Liquid-crystalline medium according to Claim 1, comprising a compound of formula I-1 characterised in that it comprises one, two or more compounds of the formulae I-1





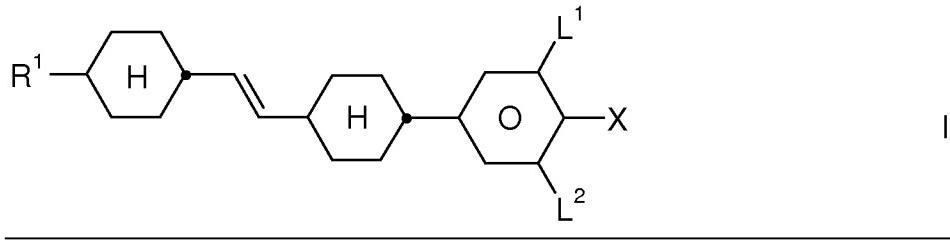
in which R^1 is as defined in Claim 1.

Claim 4. (Currently Amended) Liquid-crystalline medium according to Claim 1, further comprising characterised in that it comprises one, two or more bicyclic compounds of the formulae Z-1 to Z-8



in which R^{1a} and R^{2a} are each, independently of one another, H, CH₃, C₂H₅ or n-C₃H₇, and alkyl and alkyl* are each, independently of one another, a straight-chain or branched alkyl group having 1-7 carbon atoms.

Claim 5. (Currently Amended) Liquid-crystalline medium according to claim 1, characterised in that it comprises based on a mixture of polar compounds, comprising one or more compounds of the formula I



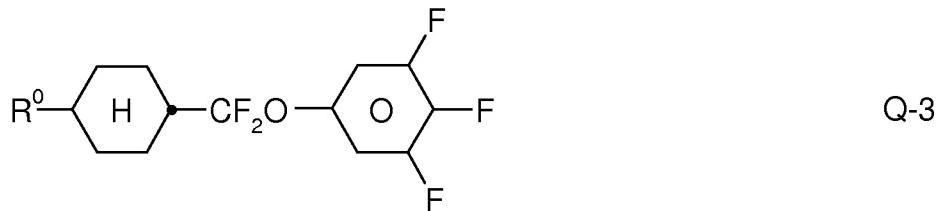
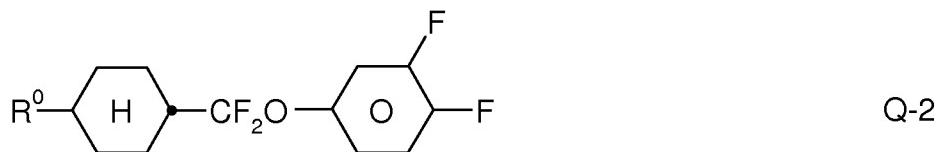
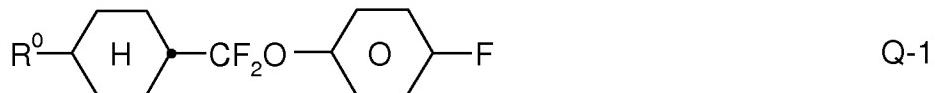
in which

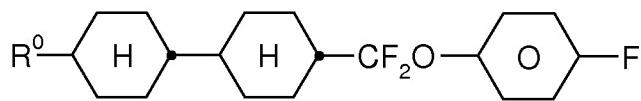
R¹ is a halogenated or unsubstituted alkyl or alkoxy radical having from 1 to 15 carbon atoms, where, in addition, one or more CH₂ groups in these radicals may each, independently of one another, be replaced by -C≡C-, -CH=CH-, -O-, -CO-O- or -O-CO- in such a way that O atoms are not linked directly to one another,

X is F, Cl, CN, a halogenated alkyl radical, a halogenated alkenyl radical, a halogenated alkoxy radical or a halogenated alkenyloxy radical having up to 6 carbon atoms, and

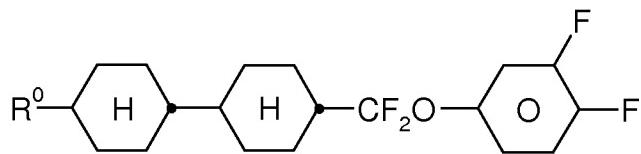
L¹ and L² are each, independently of one another, H or F.

said medium further comprising one or more compounds of the formulae Q-1 to Q-15

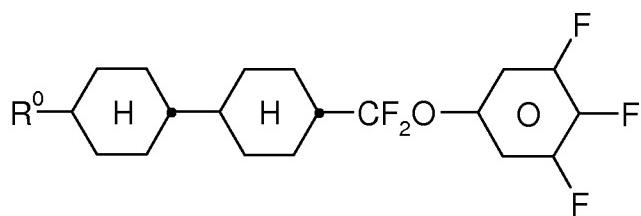




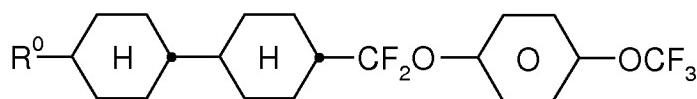
Q-4



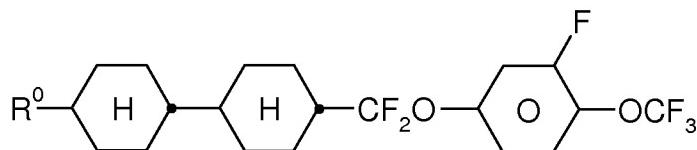
Q-5



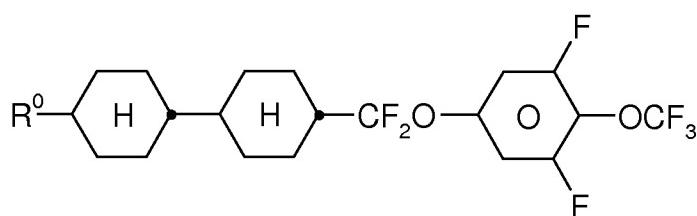
Q-6



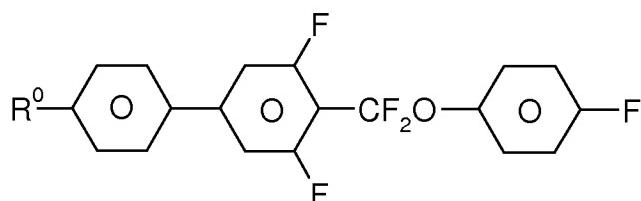
Q-7



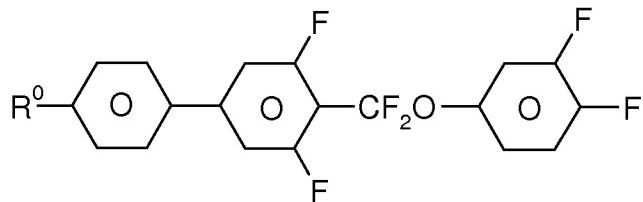
Q-8



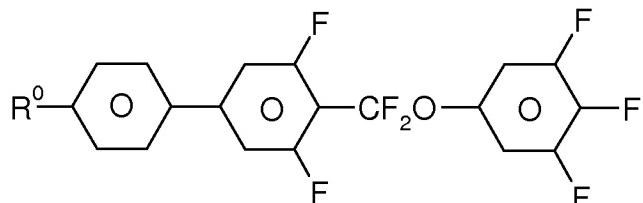
Q-9



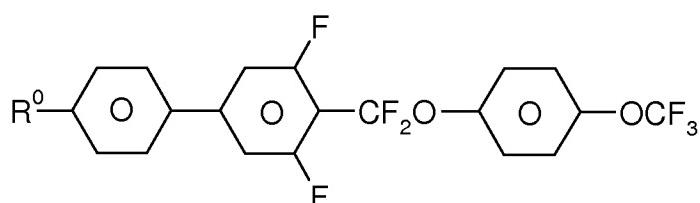
Q-10



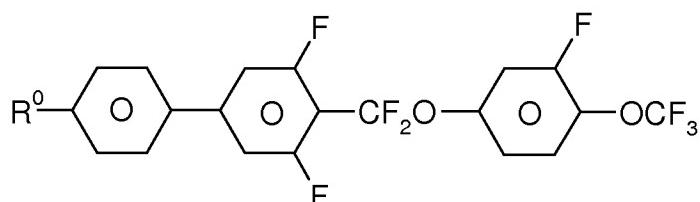
Q-11



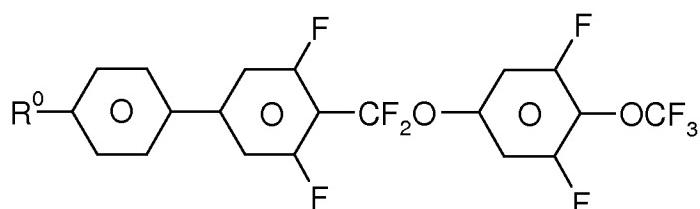
Q-12



Q-13



Q-14

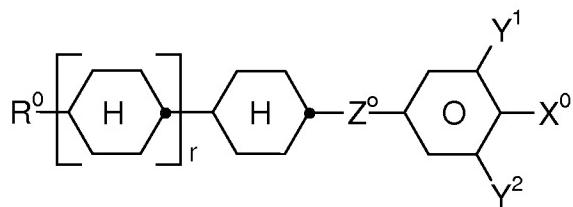
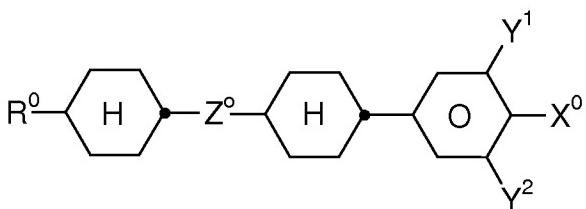
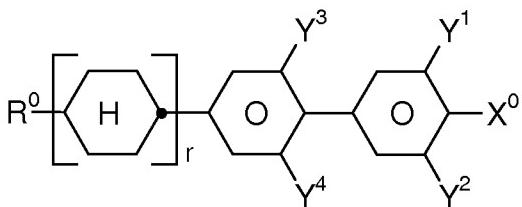
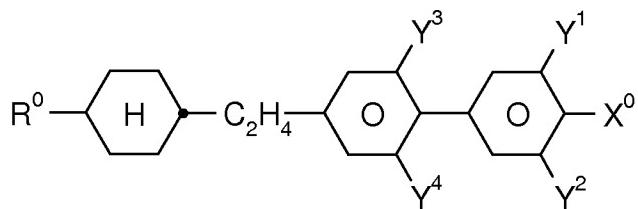
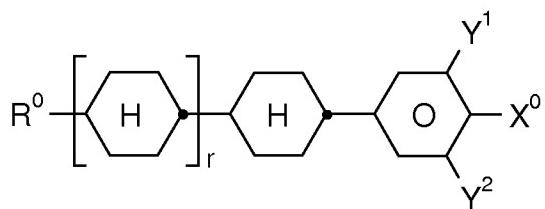


Q-15

in which

R^0 is n-alkyl, oxaalkyl, alkoxy, alkenyloxy, fluoroalkyl or alkenyl, each having up to 9 carbon atoms.

Claim 6. (Previously Presented) Liquid-crystalline medium according to Claim 1, characterised in that it additionally comprises one or more compounds selected from the group consisting of the general formulae II, III, IV, V and VI:



in which the individual radicals have the following meanings:

R^0 is n-alkyl, oxaalkyl, alkoxy, alkenyloxy, fluoroalkyl or alkenyl, each having up to 9 carbon atoms,

X^0 is F, Cl, halogenated alkyl, halogenated alkenyl, halogenated alkenyloxy or halogenated alkoxy having up to 6 carbon atoms,

Z^0 is $-\text{C}_2\text{F}_4-$, $-\text{CF}=\text{CF}-$, $-\text{C}_2\text{H}_4-$, $- (\text{CH}_2)_4-$, $-\text{OCH}_2-$, $-\text{CH}_2\text{O}-$, $-\text{CF}_2\text{O}-$ or

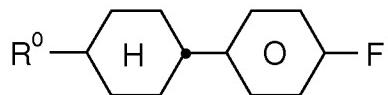
-OCF₂-,

Y¹ to Y⁴ are each, independently of one another, H or F,

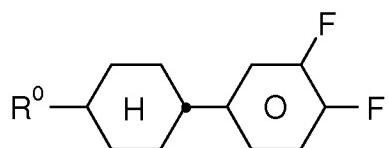
r is 0 or 1.

Claim 7. (Previously Presented) Liquid-crystalline medium according to Claim 6, characterised in that the proportion of compounds of the formulae I to VI together in the mixture as a whole is at least 50% by weight.

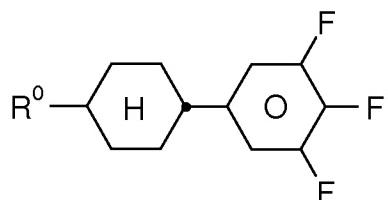
Claim 8. (Previously Presented) Liquid-crystalline medium according to Claim 1, characterised in that it additionally comprises one or more compounds of the formulae K-1 to K-27



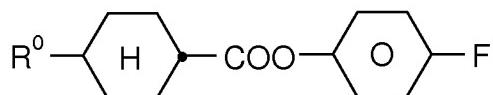
K-1



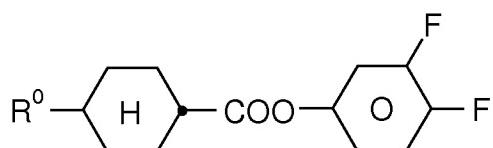
K-2



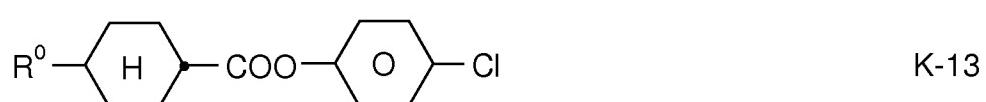
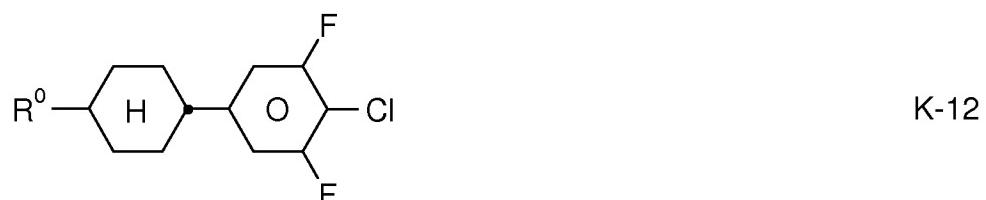
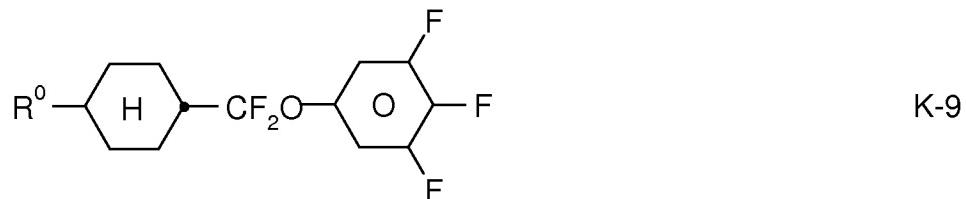
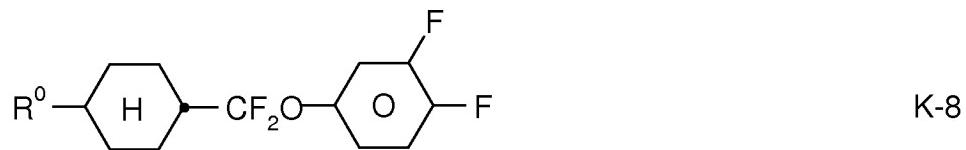
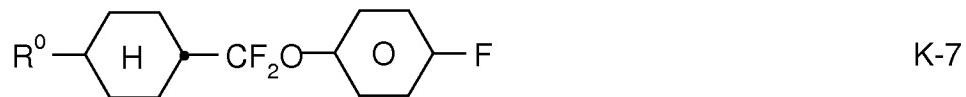
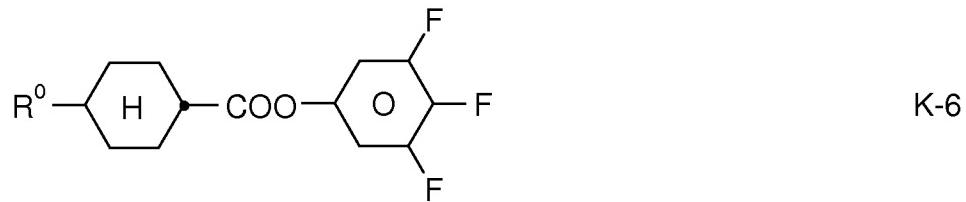
K-3

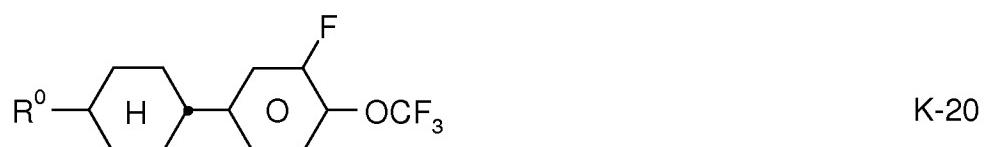
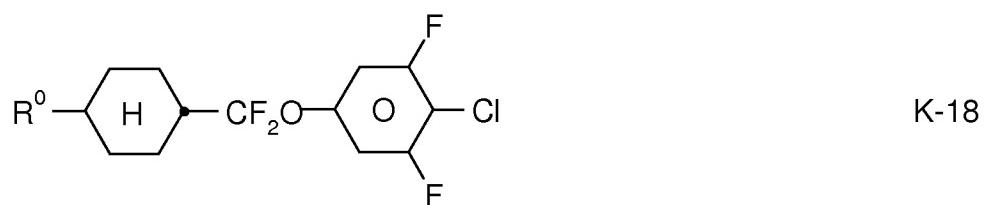
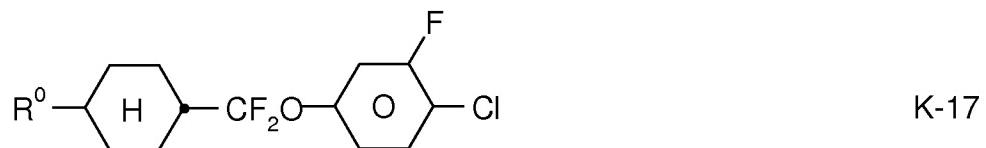
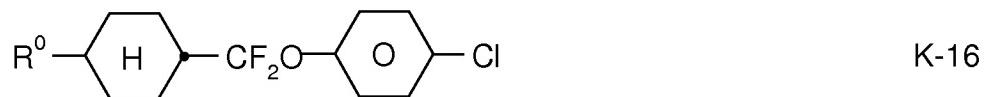
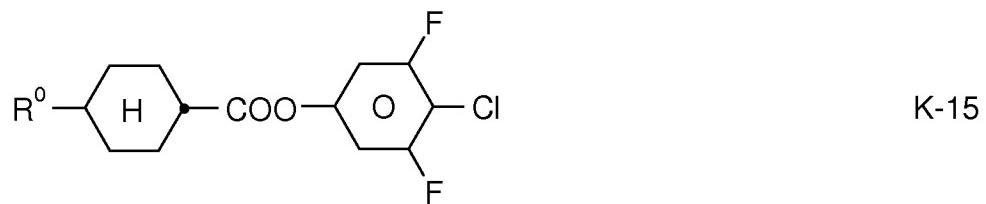
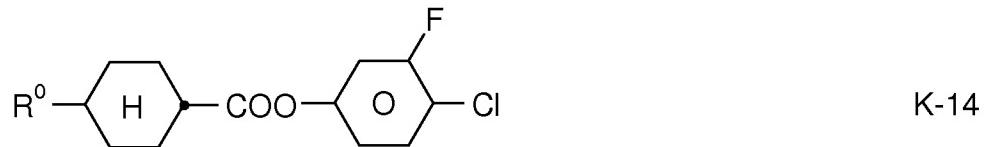


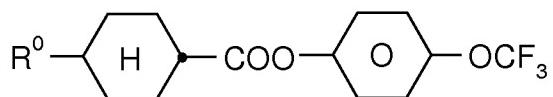
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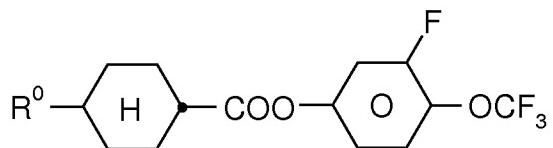
K-5



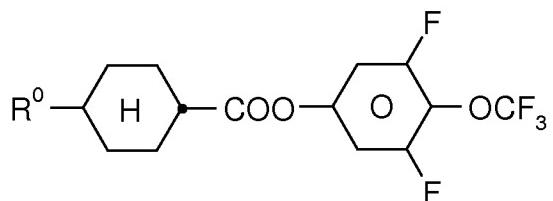




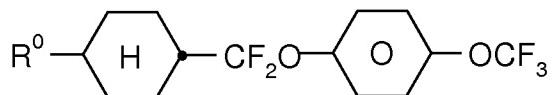
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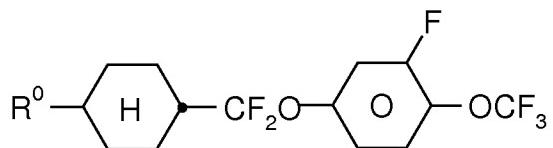
K-23



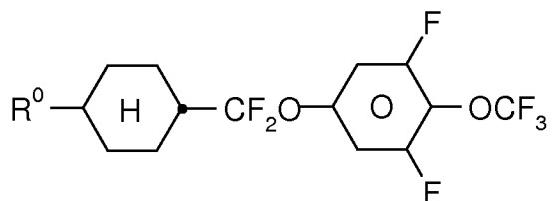
K-24



K-25



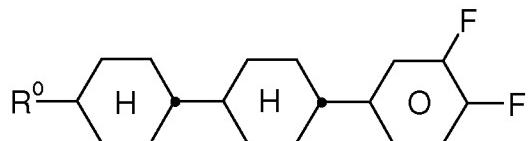
K-26



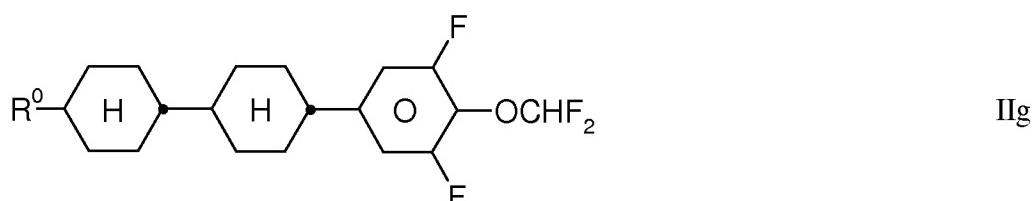
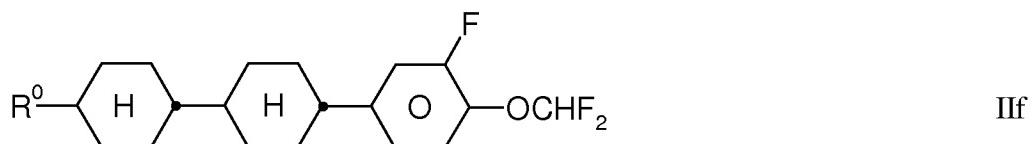
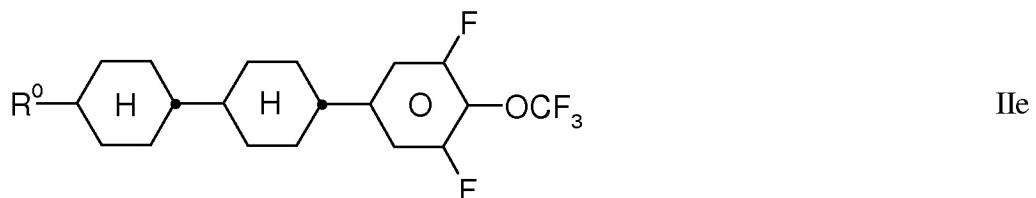
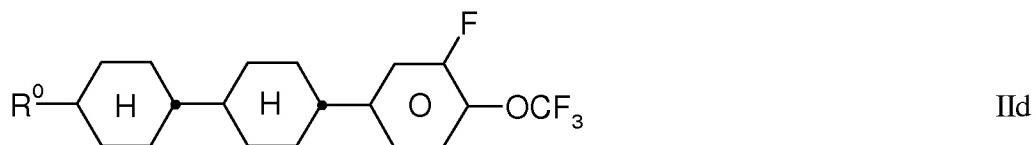
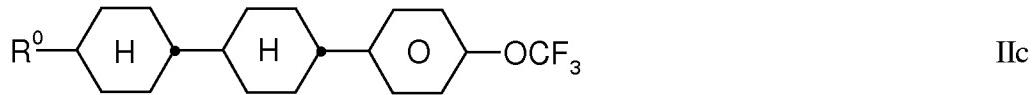
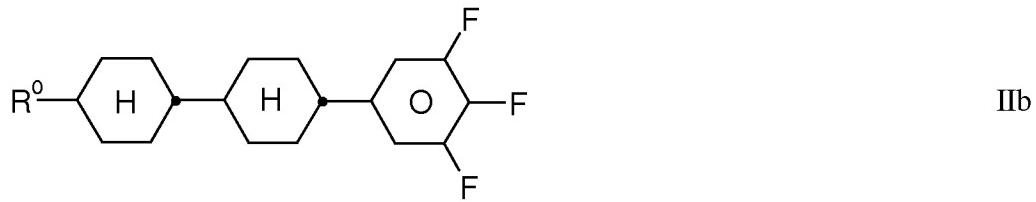
K-27

in which R^0 is n-alkyl, oxaalkyl, alkoxy, alkenyloxy, fluoroalkyl or alkenyl, each having up to 9 carbon atoms.

Claim 9. (Previously Presented) Liquid-crystalline medium according to Claim 1, characterised in that it comprises one or more compounds of the formulae IIa to IIg

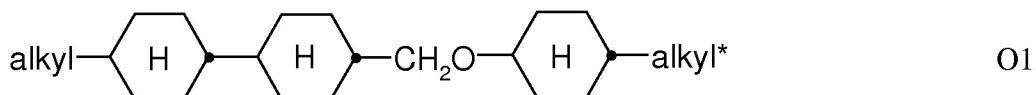


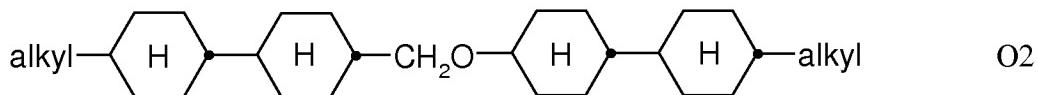
IIa



in which R^0 is n-alkyl, oxaalkyl, alkoxy, alkenyloxy, fluoroalkyl or alkenyl, each having up to 9 carbon atoms.

Claim 10. (Previously Presented) Liquid-crystalline medium according to Claim 1, characterised in that it comprises one or more compounds of the formulae O1 and O2





in which

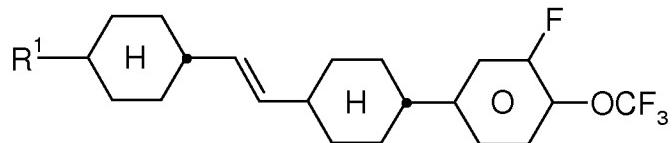
alkyl and alkyl* are each, independently of one another, a straight-chain or branched alkyl group having 1-7 carbon atoms.

Claim 11. (Previously Presented) Liquid-crystalline medium according to Claim 1, characterised in that the proportion of compounds of the formula I in the mixture as a whole is from 0.5 to 40% by weight.

Claim 12. (Canceled)

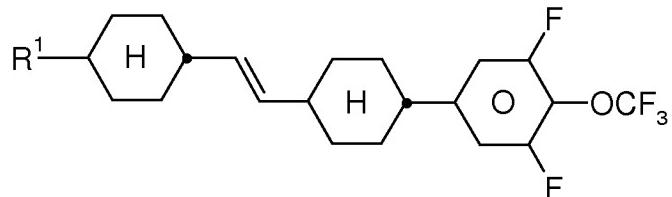
Claim 13. (Previously Presented) Electro-optical liquid-crystal display containing a liquid-crystalline medium according to Claim 1.

Claim 14. (New) Liquid-crystalline medium according to Claim 1, comprising a compound of formula I-2



in which R¹ is as defined in Claim 1.

Claim 15. (New) Liquid-crystalline medium according to Claim 1, comprising a compound of formula I-3



in which R¹ is as defined in Claim 1.

Claim 16. (New) Liquid-crystalline medium according to Claim 5, comprising one or more compounds of formula I and one or more compounds of formula Q-1 to Q-9.

Claim 17. (New) Liquid-crystalline medium according to Claim 5, comprising one or more compounds of formula I and one or more compounds of formula Q-4 to Q-6.

Claim 18. (New) Liquid-crystalline medium according to Claim 5, comprising one or more compounds of formula I and one or more compounds of formula I and a compound of formula Q-6.

Claim 19. (New) Liquid-crystalline medium according to Claim 5, comprising one or more compounds of formula I and one or more compounds of formula Q-10 to Q-15.

Claim 20. (New) Liquid-crystalline medium according to Claim 5, comprising one or more compounds of formula I and one or more compounds of formula Q-10 to Q-12.

Claim 21. (New) Liquid-crystalline medium according to Claim 5, comprising one or more compounds of formula I and one or more compounds of formula I and a compound of formula Q-12.